



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for April 19, 2013
Ed Kearns, Acting Chief



CDR Program Office

NPP/JPSS Climate Raw Data Records (C-RDRs) Project

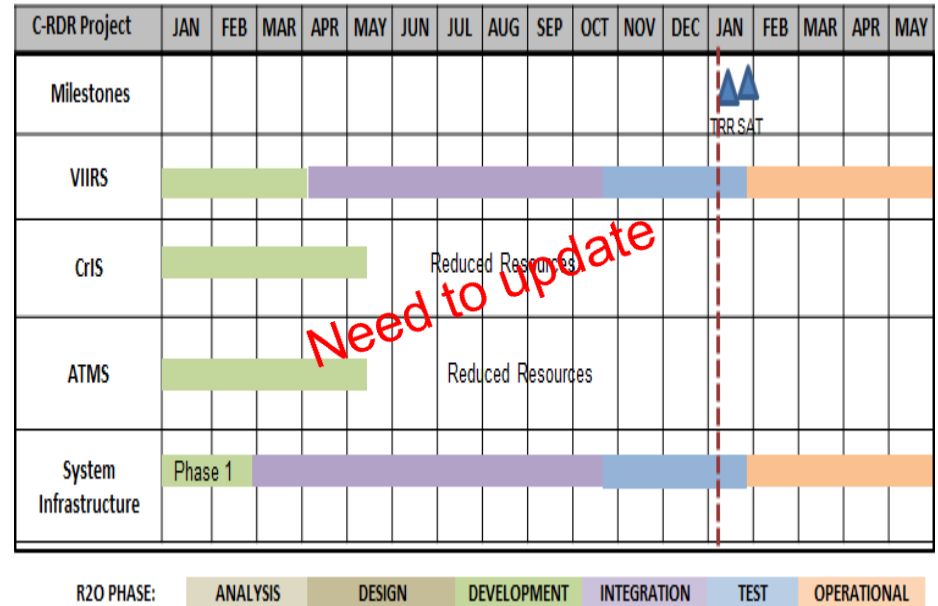
Weekly Report – April 20, 2013

VIIRS

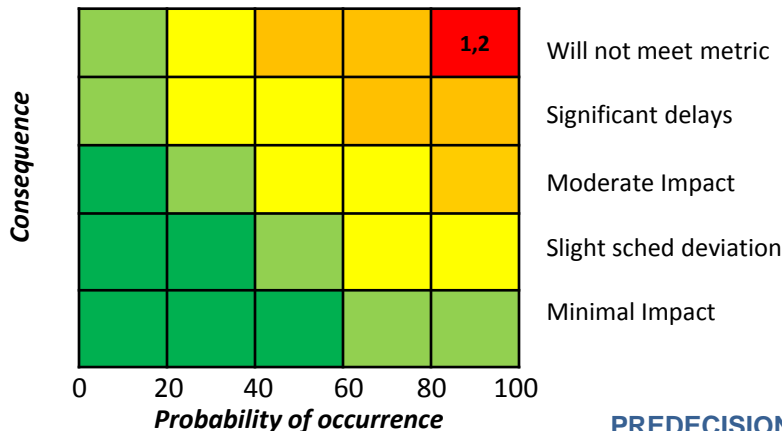
- 1 • Completed code for C-RDR and Support Data..

2 System Infrastructure

- Integrating with the VIIRS C-RDR.
- **C-RDR is first product moving to three tier environment.**
- **ITB is working to set up the test container.**
- **Debugging and testing two errors received in the data stream.**
- **Preparing for final code review.**
- Initial verification of SDR from C-RDR compared successfully.
- Draft System Acceptance Test procedure completed.
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

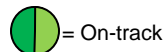
- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data. Reliability of Blade Center administration support. ITB admin position remains unfilled. **ITB is working to file the position.**

PREDECISIONAL DRAFT INFORMATION

4/23/2013



= On-track = Potential management action required = Management attention required

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OISST Research to Operations Project

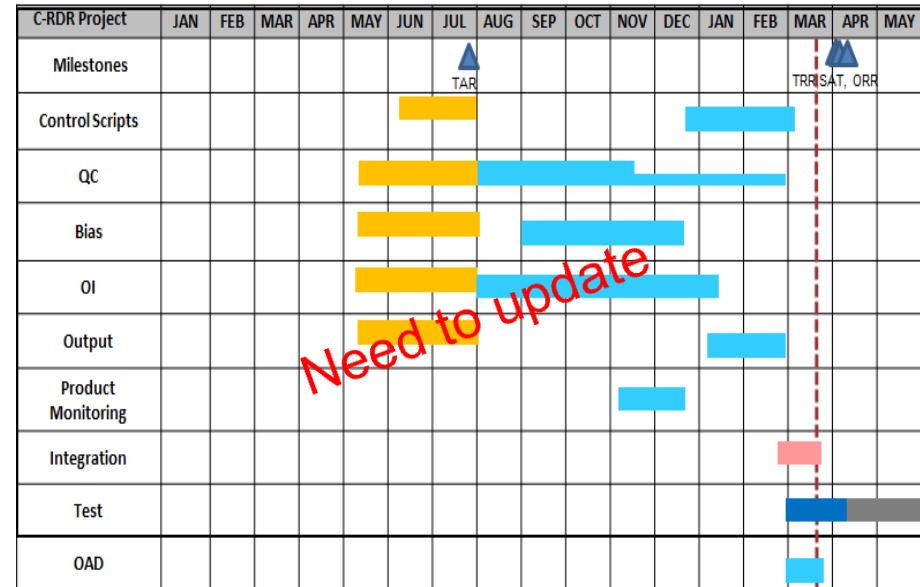
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1 OISST – Optimum Interpolated Sea Surface Temperature

- Finishing final code updates based on code review comments.
- Setting up test data and code on Rainband for parallel test.
- Working with Global Surface Temperature WG to identify priorities for OISST in operations.
- Completed code reviews (QC, output, control scripts).
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
- Conducted Technology Assessment Review July 25.

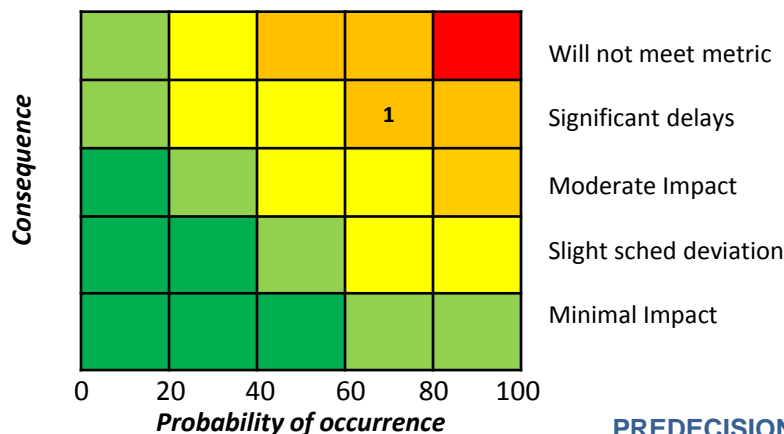
Operations:

- Updated and tested scripts to handle new sea ice data format.



R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix



Risk and Mitigation

Resource availability for performing the transition. Need scientific evaluation of reliable/archived inputs (ICOADS).

Configuration Management (CM) process not defined for operations. CM process is being defined.

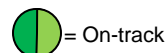
No Quality Assurance team available.

Modifying existing software for internal software changes. Product output must remain unchanged for users. Run in parallel with current version.

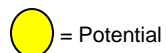
OISST processing will be on a 64 bit architecture.

PREDECISIONAL DRAFT INFORMATION

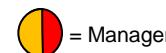
4/23/2013



= On-track



= Potential management action required



= Management attention required



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FY13 Agile Product Development

Weekly Report – April 19, 2013

0. Methodology – Sprint FY13.E March 25 – April 19

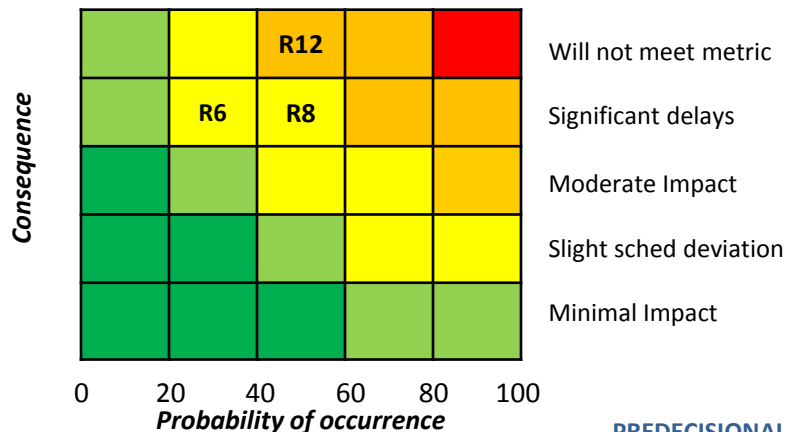
- Planned focus was publication of OAD Template, updating ORR checklist for IOC and FOC, assisting OISST group in developing OAD.
- Sprint Review Meeting April 19, 10:30 in 473. All welcome.

5.4 Operational Algorithm Description (OAD) Template

- 85 actionable comments received from Operations Branch, Products Branch, and CDR Program Office staff. **Thank you!**
- 59 comments resolved, 18 deferred for discussion, 8 pending.
- Tabletop review scheduled for April 23 at 10am. All reviewers have been invited, as well as the CDR Program Manager and Program Scientist.
- Updated draft and responses will be circulated in advance.
- Discussion themes include requirements, cost, organizational roles, and transparency versus security.

Agile Product Development		J		Feb					Mar					Apr					May				
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
		26-1	2-8	9-15	16-22	23-1	2-8	9-15	16-22	23-29	30-5	6-12	13-19	20-26	27-3	4-10	11-17	18-24					
Sprint	Principal Focus																						
B	IOC to FOC Selection																						
C	Support for DISST FOC transition					Slipped 2 weeks																	
D	Support for DISST FOC transition																						
E	Support for DISST FOC transition																						
F	TBD																						
G	TBD																						
H	TBD																						
I	TBD																						
J	TBD																						

Risk Matrix



Top Risks and Mitigation

R12. Fiscal Constraints

- Furloughs and/or funding cuts could cause delivery milestones to not be met. Using Agile methodology to focus efforts and prioritize work.

R8. Lack of independent Process and Product Quality Assurance

- Products may not perform correctly in the user's environment. Scarce resources may be diverted to perform rework. Previous results may not be reproducible. Reputation of Center and its contractors could suffer. Risk is accepted since effective mitigation for the CDR Program would require a Center-wide solution.

R6. Personnel at maximum workload

- Loss or illness of any staff member would jeopardize the timely delivery of the planned products. Using Agile methodology to minimize waste from unfinished work.

PREDECISIONAL DRAFT INFORMATION